

ABSTRACT

According to the invention, optimization of an application by elimination of redundant operand conversions is disclosed. According to one embodiment, the optimization comprises receiving an application that includes one or more operations, with one or more operands of the operations being converted from a first format to a second format before performing an operation; determining the origin of the one or more operands that are converted from the first format to the second format; and if the origin of any of the one or more operands that are converted from the first format to a second format is a conversion from the second format to the first format, then eliminating the redundant conversion from the second format to the first format and from the first format to the second format.